

Title (en)
FIREPROOF GLAZING

Title (de)
BRANDSCHUTZVERGLASUNG

Title (fr)
VITRAGE ANTI-FEU

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Application
EP 17728488 A 20170531

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Abstract (en)
[origin: WO2017211637A1] The invention relates to fire-resistant glazing comprising two glass sheets with an intumescent material comprising hydrated alkali silicate being disposed therebetween. The two glass sheets are connected peripherally by a group of elements delimiting between the two sheets a space into which a liquid composition of alkali silicate is poured so as to fill the space, said composition being selected to form a solid gel, the solidification being optionally accelerated by means of an increase in temperature or exposure to UV or IR radiation. The elements delimiting the space are impervious to the liquid silicate composition, said elements comprising at least one rigid or semi-rigid spacer assembly determining the distance between the two glass sheets. For at least part of the periphery of the glazing, the spacer assembly is made from a material that is essentially transparent to visible light, with light flux representing at least 50% of the incident flux being either transmitted directly or at least partially diffused by the spacer assembly.

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